CLAIMS

1. An optical lens for vision correction adapted to correct a diopter value of N of an eye of a subject, comprising:

a vision correction area including

an optical center for aligning with a visual axis of the eye of the subject;

a first diopter correction portion outwardly extending from said optical center, having a radius ranging from 0.25 mm to 1.25 mm taking said optical center as a center of circle, and having a diopter value gradually decreasing from said optical center to a periphery of said first diopter correction portion, said optical center having a maximum diopter value ranging from N+3.5 D to N+9 D, said periphery of said first diopter correction portion having a diopter value of N; and

a second diopter correction portion surrounding and adjoining said first diopter correction portion, having a radius ranging from 0.5 mm to 2.25 mm taking said optical center as a center of circle, and having a diopter value constantly varying within a range from N-1.5 D to N+1 D,

wherein N ranges from -9.00 D to +6.00 D, and

wherein each of said first diopter correction portion and said second diopter

correction portion has a front arc portion, said front arc portion of said first diopter correction portion having a radius of curvature smaller than that of said front arc portion of said second diopter correction portion.

2. The optical lens for vision correction as claimed in claim 1, wherein said optical lens has a refractive index ranging from 1.38 to 1.42.

3. The optical lens for vision correction as claimed in claim 1, wherein said optical lens is a concave lens, said optical center having a maximum diopter value ranging from N+3.5 D to N+6 D.

4. The optical lens for vision correction as claimed in claim 1, wherein said optical lens is a convex lens, said optical center having a maximum diopter value ranging from N+5 D to N+9 D.

5. The optical lens for vision correction as claimed in claim 1, wherein said radius of curvature of said front arc portion of said first diopter correction portion ranges from 6 mm to 9 mm, and said radius of curvature of said front arc portion of said second diopter correction portion ranges from 6 mm to 9 mm.